

## ABSTRACT OF THE DISCLOSURE

In the coding of a dynamic image signal that conforms to the MPEG-2 Standard, when one-picture two-path coding is performed, the capacity of a memory for storing one-picture image data is reduced while lowering a throughput to be executed repetitively. Further, a throughput for estimating a generated code amount is reduced. This dynamic image compression coding apparatus has a memory that splits quantization processing into division processing using a quantization matrix and division processing using a quantization scale and temporarily stores one-picture data after quantization using the quantization matrix. In the first coding performed for estimating a code amount generated every macroblock, the quantization processing is performed using a bit shift instead of division. Further, round-off processing in the quantization processing is substituted for round-down processing.